

**Anti-CD123 Antibody**  
**Rabbit polyclonal antibody to CD123**  
**Catalog # AP60150****Specification**

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**Anti-CD123 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P26951</a>
Other Accession	<a href="#">P26952</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>43330</b>

**Anti-CD123 Antibody - Additional Information****Gene ID** 3563**Other Names**IL3R; Interleukin-3 receptor subunit alpha; IL-3 receptor subunit alpha; IL-3R subunit alpha;  
IL-3R-alpha; IL-3RA; CD123**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD123. The exact sequence is proprietary.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-CD123 Antibody - Protein Information****Name** IL3RA ([HGNC:6012](#))**Synonyms** IL3R**Function**

Cell surface receptor for IL3 expressed on hematopoietic progenitor cells, monocytes and B-lymphocytes that controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells (PubMed:&lt;a href="http://www.uniprot.org/citations/10527461" target="\_blank"&gt;10527461&lt;/a&gt;). Ligand stimulation rapidly induces heterodimerization with IL3RB, phosphorylation and enzyme activity of effector proteins such as JAK2 and PI3K that play a

role in signaling cell proliferation and differentiation. Activation of JAK2 leads to STAT5-mediated transcriptional program (By similarity).

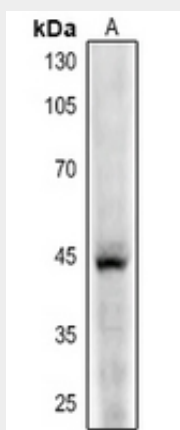
**Cellular Location**

Cell membrane; Single-pass type I membrane protein

**Anti-CD123 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-CD123 Antibody - Images**

Western blot analysis of CD123 expression in Hela (A) whole cell lysates.

**Anti-CD123 Antibody - Background**

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